

Jos Grcio

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

1,702
citations

19
h-index

41
g-index

46
ext. papers

1,871
ext. citations

3.5
avg, IF

4.23
L-index

#	Paper	IF	Citations
41	The effect of ball milling time and rotational speed on ultra high molecular weight polyethylene reinforced with multiwalled carbon nanotubes. <i>Polymer Composites</i> , 2016 , 37, 1128-1136	3	26
40	Local piezoresponse and polarization switching in nucleobase thymine microcrystals. <i>Journal of Applied Physics</i> , 2015 , 118, 072007	2.5	8
39	Breakdown into nanoscale of graphene oxide: confined hot spot atomic reduction and fragmentation. <i>Scientific Reports</i> , 2014 , 4, 6735	4.9	79
38	Enhanced thermal conductivity and viscosity of nanodiamond-nickel nanocomposite nanofluids. <i>Scientific Reports</i> , 2014 , 4, 4039	4.9	107
37	Tuning heterogeneous poly(dopamine) structures and mechanics: in silico covalent cross-linking and thin film nanoindentation. <i>Soft Matter</i> , 2014 , 10, 457-64	3.6	51
36	A Semi-Analytic Model to Predict and Compensate Springback in the 3D Stretch Bending Process. <i>Steel Research International</i> , 2014 , 85, 697-709	1.6	3
35	Beyond disease, how biomedical engineering can improve global health. <i>Science Translational Medicine</i> , 2014 , 6, 266fs48	17.5	6
34	Evaluation of the in vitro biocompatibility of PMMA/high-load HA/carbon nanostructures bone cement formulations. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 2787-96	4.5	27
33	Comparison of synthetic dopamine-eumelanin formed in the presence of oxygen and Cu ²⁺ cations as oxidants. <i>Langmuir</i> , 2013 , 29, 12754-61	4	60
32	Morphological, compositional and ultrastructural changes in the <i>Scrobicularia plana</i> shell in response to environmental mercury--an indelible fingerprint of metal exposure?. <i>Chemosphere</i> , 2013 , 90, 2697-704	8.4	1
31	Nano-graphene oxide: a potential multifunctional platform for cancer therapy. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1072-90	10.1	128
30	Transient Negative Strain Hardening during Severe Plastic Deformation of Al-30wt%Zn Alloys. <i>Key Engineering Materials</i> , 2013 , 554-557, 3-11	0.4	1
29	A Theoretical Study of the Effect of the Double Strain Path Change on the Forming Limits of Metal Sheet. <i>Key Engineering Materials</i> , 2013 , 554-557, 127-138	0.4	5
28	Electrical conductivity of LTA-zeolite in the presence of poly(vinyl alcohol) and poly(vinyl pyrrolidone) polymers. <i>Polymer International</i> , 2013 , 62, 1583-1588	3.3	4
27	Design of an Amperometric Glucose Biosensor Based on Glucose Oxidase/Arginated-Fe ₃ O ₄ /Glassy Carbon Electrode. <i>Science of Advanced Materials</i> , 2013 , 5, 333-340	2.3	3
26	Deposition Mechanism and Properties of Thin Polydopamine Films for High Added Value Applications in Surface Science at the Nanoscale. <i>BioNanoScience</i> , 2012 , 2, 16-34	3.4	118
25	Graphene oxide versus functionalized carbon nanotubes as a reinforcing agent in a PMMA/HA bone cement. <i>Nanoscale</i> , 2012 , 4, 2937-45	7.7	100

24	Wet-chemical green synthesis of L-lysine amino acid stabilized biocompatible iron-oxide magnetic nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6645-51	1.3	19
23	Graphene oxide and hydroxyapatite as fillers of polylactic acid nanocomposites: preparation and characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6686-92	1.3	30
22	Polarization switching and patterning in self-assembled peptide tubular structures. <i>Journal of Applied Physics</i> , 2012 , 111, 074104	2.5	32
21	Evidence of ferroelectricity and phase transition in pressed diphenylalanine peptide nanotubes. <i>Applied Physics Letters</i> , 2012 , 100, 043702	3.4	52
20	Large-area high-throughput synthesis of monolayer graphene sheet by Hot Filament Thermal Chemical Vapor Deposition. <i>Scientific Reports</i> , 2012 , 2, 682	4.9	120
19	Nanoscale Ferroelectricity in Crystalline β -Glycine. <i>Advanced Functional Materials</i> , 2012 , 22, 2996-3003	15.6	94
18	Local nanoelectromechanical properties of multiferroics Gd-doped BiFeO ₃ -BaTiO ₃ solid solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6639-44	1.3	2
17	Nanotechnology in automotive industry: research strategy and trends for the future-small objects, big impacts. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6621-30	1.3	27
16	Temperature dependence of the Henry's law constant for hydrogen storage in NaA zeolites: a Monte Carlo simulation study. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6785-91	1.3	3
15	Fabrication of a glucose biosensor based on citric acid assisted cobalt ferrite magnetic nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6631-8	1.3	15
14	Dynamic Mechanical Properties of PMMA/Organoclay Nanocomposite: Experiments and Modeling. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2011 , 133,	1.8	12
13	Automated high-throughput screening of carbon nanotube-based bio-nanocomposites for bone cement applications. <i>Pure and Applied Chemistry</i> , 2011 , 83, 2063-2069	2.1	1
12	Numerical Investigations on the Mechanical Properties of Adhesively Bonded Hollow Sphere Structures. <i>Journal of Composite Materials</i> , 2010 , 44, 1165-1178	2.7	13
11	Local Electromechanical Properties of CaCu ₃ Ti ₄ O ₁₂ Ceramics. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1255, 319		3
10	Graphene oxide modified with PMMA via ATRP as a reinforcement filler. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9927		381
9	Integrated biomimetic carbon nanotube composites for in vivo systems. <i>Nanoscale</i> , 2010 , 2, 2855-63	7.7	32
8	Fabrication of vertically aligned carbon nanotubes for spintronic device applications. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7216		2
7	Biotoxicity study of bone cement based on a functionalised multi-walled carbon nanotube-reinforced PMMA/HAp nanocomposite. <i>International Journal of Nano and Biomaterials</i> , 2009 , 2, 442	0.2	4

6	A study of diamond film deposition on WC/Co inserts for graphite machining: Effectiveness of SiC interlayers prepared by HFCVD. <i>Diamond and Related Materials</i> , 2008 , 17, 1008-1014	3.5	68
5	Nanocrystalline diamond on SiO ₂ fiber: A new class of hybrid material. <i>Diamond and Related Materials</i> , 2008 , 17, 1106-1109	3.5	3
4	A new chemical path for fabrication of nanocrystalline diamond films. <i>Journal of Crystal Growth</i> , 2008 , 310, 261-265	1.6	17
3	Damage evolution and fatigue debonding of diamond films under repeated loading. <i>Surface and Coatings Technology</i> , 2008 , 203, 726-729	4.4	5
2	A new evaluation procedure for the butt-joint test of adhesive technology: Determination of the complete set of linear elastic constants. <i>International Journal of Adhesion and Adhesives</i> , 2007 , 27, 703-714	3.4	29
1	An evaluation of the elastic properties of an adhesive layer using the tensile-butt joint test: Procedures and error estimates. <i>International Journal of Adhesion and Adhesives</i> , 2007 , 27, 129-135	3.4	11